Listing Of Claims:

Claims 1- 8 (Cancelled).

Claim 9 (Currently Amended). A control method for a dishwasher (1) ~~in claim 1~~ having a washing tub (2) where appliances are put, a sump (3) under the washing tub (2) where water in the washing tub (2) is collected during the washing process, a biosensor (7) which detects the microorganisms in the washing water, a memory (10) to which parameters to be compared are loaded, including acceptable maximum microbiologic pollution rates (MBN0, MBN1, MBN2, MBN3) preloaded by the producer, a microprocessor (9) which compares signals produced by a biosensor (7) including a microbiologic pollution rate (MBN) measured by the biosensor in a washing cycles is compared with the parameters loaded to the memory (10) and forwards the result of the comparison and a control unit (11) which arranges the washing program with respect to the data obtained from the microprocessor (9) comprising the steps below:

~~The~~ A user starts ~~the~~ a washing cycle (100),

The user selects either a pre-washing or a without pre-washing program (101),

If the without pre-washing program is selected, main washing cycle is started (106),

If the pre-washing program is selected, then the pre-washing program is started (102),

The Microbiologic pollution rate (MBN) is measured by the biosensor (7) (103),

The MBN is compared with a limit value of the acceptable microbiologic pollution rate (MBN1) for the pre-washing program (104),

If MBN<MBN1, main washing cycle (106) is started (106),

If MBN>MBN1, a second pre-washing cycle is started (105),

The Main washing cycle is started (106),

The Microbiologic pollution rate (MBN) is measured by the biosensor (7) (107),

The MBN is compared with the limit value of a ~~the~~ acceptable microbiologic pollution rate (MBN2) for ~~the~~ a main washing (108),

If MBN<MBN2, main washing cycle is started in TP1 temperature value and TS1 circulation period (109),

If MBN>MBN2, main washing cycle is started in TP2 temperature value and TS2 circulation period (110),

The Rinsing cycle is started following the main washing (111),

The Microbiologic pollution rate (MBN) is measured by the biosensor (7) (112),

It is checked whether the microbiologic pollution has reached the accepted microbiologic pollution rate at the negligible level (MBN0) or not (113),

If MBN=MBN0, a ~~the~~ rinsing water is discharged (200),

If the microbiologic pollution is detected (MBN>MBN0), MBN is compared with the limit values (MBN3) of the acceptable microbiologic pollution rate for the rinsing cycle (114),

If MBN>MBN3, second rinsing cycle is started (118),

If MBN<MBN3, rinsing cycle is started in TP3 temperature value and TS3 circulation period (115),

Microbiologic pollution rate (MBN) is measured by the biosensor (7) (116),

It is checked whether the microbiologic pollution has reached the accepted microbiologic pollution rate at the negligible level (MBN0) or not (117),

If MBN=MBN0, the rinsing water is started to be discharged (200),

If MBN>MBN0, second rinsing cycle is started (118),

Microbiologic pollution rate (MBN) is measured by the biosensor (7) (119),

It is checked whether the microbiologic pollution has reached the accepted microbiologic pollution rate at the negligible level (MBN0) or not (120),

If MBN=MBN0, the ~~ting~~ rinsing water is started to be discharged (200),

If MBN>MBN0, second rinsing cycle is started at TP4 temperature value and TS4 circulation period (121),

Microbiologic pollution rate (MBN) is measured by the biosensor (7) (122),

It is checked whether the microbiologic pollution has reached the accepted microbiologic pollution rate at the negligible level (MBN0) or not (123),

If MBN>MBN0, the rinsing water is started to be discharged (200),

If MBN>MBN0, the washing water is sterilized (124),

Sterilized water is used for rinsing during TS5 circulation period (125),

A ~~The~~ rinsing water is discharged (200),

A ~~The~~ drying cycle is started (201), and

The drying cycle is ended (202).

Claim 10 (currently amended). The control ~~A control~~ method for a dishwasher (1) as in Claim 9 wherein the washing water is sterilized by UV (Ultraviolet) technique in the sterilization cycle (124) of the washing water if MBN>MBN0.

Claim 11 (New). The control method for a dishwasher (1) as in Claim 9, wherein, the biosensor (7) is placed in a measurement chamber (8) which is suitable for taking as much samples as required for measurement from the sump (3) in every cycle of the washing process.

Claim 12 (New).The control method for a dishwasher (1) as in Claim 9, wherein, a memory (10) comprising the temperature values (TP1, TP2, TP3, TP4) which are preloaded by the producer and applied in the washing cycles with respect to the results of the comparison with the limit values of the microbiologic pollution rate (MBN) measured by the biosensor (7) in the washing cycle.

Claim 13 (New). The control method for a dishwasher (1) as in Claim 9, wherein the memory (10) comprising the circulation periods (TS1, TS2, TS3, TS4) which are preloaded by the producer and applied in the washing cycles with respect to the results of the comparison with the limit values of the microbiologic pollution rate (MBN) measured by the biosensor (7) in the washing cycle.

Claim 14 (New). The control method for a dishwasher (1) as in Claim 9 comprising the steps of the measurement of the microbiologic pollution rates (MBN) by the biosensor (7) in at least one of the washing cycles such as pre-washing, main washing and rinsing; the comparison of MBN with the limit values; accordingly the change of temperature and/or period and/or repetition number to reduce MBN below the limit values if measured MBN is higher than the limit values and the continuation of the washing period under the predetermined conditions if MBN is lower than the limit values.

Claim 15 (New). The control method for a dishwasher (1) as in Claim 9 characterized in that the washing water is sterilized if the microbiologic pollution rate (MBN) can not be lowered to the required level by the changes in temperature and/or period.

Claim 16 (New). The control method for a dishwasher (1) as in Claim 9 characterized in that the washing water is changed and the washing cycle is repeated, if the microbiologic pollution rate (MBN) can not be lowered to the required level by the changes in temperature and/or period.